EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes and/or

additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR

1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the

payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with

Alan Harrison on 3/8/10.

2.   The application has been amended as follows:

   a.   <u>Original Claim 60</u>: Line 2

   i.   In line 2, Replace "the freely selectable function" with --one of the freely

selectable function or relation--

   b.   <u>Original Claim 61</u>: Line 2

   ii.   In line 2, Replace "the freely selectable relation" with --one of the freely

selectable function or relation--

   c.   <u>Original Claim 64</u>: Line 4

   iii.   In line 4, Delete "the value of"

   d.   <u>Original Claim 65</u>: Line 4

   iv.   In line 4, Delete "the value of"

   e.   <u>Original Claim 66</u>: Lines 2 and 3

   v.   In line 2, Delete "the value of"

   vi.   In line 3, Replace "the freely selectable function" with --one of the freely

selectable function or relation--

    f.   <u>Original Claim 67</u>: Lines 2 and 4-5

        vii.   In line 2, Delete "the value of"

        viii.   In lines 4-5, Replace "the freely selectable function" with --one of the freely selectable function or relation--

    g.   <u>Original Claim 73</u>: Line 4

        ix.   In line 4, Replace "the function" with --a function--

    h.   <u>Original Claim 74</u>: Line 4

        x.   In line 4, Replace "the function" with --a function--

    i.   <u>Original Claim 76</u>: Line 4

        xi.   In line 4, Replace "function" with --function or relation--

    j.   <u>Original Claim 77</u>: Lines 16, 22 and 24

        xii.   In line 16, Replace "the function" with --a function--

        xiii.   In line 22, Replace "function" with --function or relation--

        xiv.   In line 24, Replace "polynomial" with --polynomial function--

    k.   <u>Original Claim 78</u>: Line 16

        xv.   In line 16, Replace "the function or relation" with --at least one predefined type of relation--

    l.   <u>Original Claim 79</u>: Line 16

        xvi.   In line 16, Replace "the function or relation" with --at least one predefined type of function--

    m.   <u>Original Claim 81</u>: Line 4

        xvii.   In line 4, Replace "the workpiece flank" with --of a flank of the workpiece--

n.   <u>Original Claim 83</u>: Line 16

        xviii.   In line 16, Replace "the function" with --a function--

Allowable Subject Matter

3.   Claims 53-87 are allowed.

4.   The following is an examiner's statement of reasons for allowance: Regarding claim 53, the prior art of record does not disclose a multiaxis machine tool for producing workpieces having a helicoidal generated surface, wherein a grinding wheel is provided as the tool and, as mechanical axes, at least one positionable radial infeed axis (χ) is provided for the grinding wheel, a grinding slide (ζ) which can be positioned horizontally and orthogonally in relation to the radial infeed axis is provided for the positioning of the grinding wheel in the direction of displacement of the grinding slide, a positionable rotating axis (β) of a clamping head is provided for the rotation of the workpiece in the workpiece holder, a positionable pivoting axis (τ) is provided for the pivoting of the workpiece and the grinding wheel with respect to each other by means of a rotation of the grinding wheel axis or its parallel projection in a vertical plane (B), and a rotating axis (ω) is provided for the driving of the grinding wheel.

    Regarding claim 77, the prior art of record does not disclose a mulitaxis machine tool for producing workpieces having a helicoidal generated surface, wherein one of the at least one predefined type of function or relation is a polynomial function with polynomial coefficients as parameters, and wherein the polynomial function is of the sixth degree.

Regarding claim 78, the prior art of record does not disclose a mulitaxis machine tool for producing workpieces having a helicoidal generated surface, wherein in the memory in which machine control parameters accessed by the control device are stored there is a data structure which is intended for receiving a definition of at least one predefined type of relation for the activation of the respective mechanical axis by the control device, wherein one of the at least one predefined type of relation is a circular relation with a circle radius and a centre point, given by a pair of coordinates, and a rotating direction as parameters.

Regarding claim 79, the prior art of record does not disclose a mulitaxis machine tool for producing workpieces having a helicoidal generated surface, wherein in the memory in which machine control parameters accessed by the control device are stored there is a data structure which is intended for receiving a definition of at least one predefined type of function for the activation of the respective mechanical axis by the control device, wherein one of the at least one predefined type of function is a table of coordinates with coordinates as parameters.

Regarding claim 83, the prior art of record does not disclose a mulitaxis machine tool for producing workpieces having a helicoidal generated surface, wherein in the memory in which machine control parameters accessed by the control device are stored there is a data structure which is intended for receiving a definition of a function or relation for the activation of the respective mechanical axis by the control device, and there is a data structure which combines at least one group of machine control parameters corresponding to a partial region of the workpiece, as a segment under a common segment identification, wherein the common segment identification is a segment number.

Any comments considered necessary by applicant must be submitted no later than the
payment of the issue fee and, to avoid processing delays, should preferably accompany the issue
fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for
Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the
examiner should be directed to CHARLES R. KASENGE whose telephone number is (571)272-
3743. The examiner can normally be reached on Monday through Friday, 8:30 - 5 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's
supervisor, Albert DeCady can be reached on 571 272-3819. The fax phone number for the
organization where this application or proceeding is assigned is 571-273-8300.

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Application Information Retrieval (PAIR) system. Status information for published applications
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information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

CK

March 8, 2010

/Charles R Kasenge/
Primary Examiner, Art Unit 2121